

This exploded perspective view shows the assembly of a multi-layered structure. The top layer (1d) is a flat plate with a central circular feature. It is secured by a central screw (2a) and two side screws (2m). A bracket (2b) is positioned below the top plate, with its ends (2c and 2d) aligned with the screws. A central screw (2e) passes through the bracket and the top plate. The middle section consists of a series of curved, overlapping plates (2k, 2j, 2b) held together by a central screw (2m) and side screws (2a, 2m). A bracket (2b) is also shown below the middle section, with its ends (2c and 2d) aligned with the screws. The bottom section is a curved plate (2r) with a central screw (2m) and side screws (2a, 2m). A bracket (2b) is also shown below the bottom section, with its ends (2c and 2d) aligned with the screws. The assembly is shown in an exploded state to illustrate the relationship between the components.

This perspective view shows the assembly from above. The base plate 1e is rectangular. It features four vertical posts 26 at its corners. On top of each post is a horizontal member 23. These members are connected by a frame-like structure consisting of two parallel longitudinal rails 22 and two transverse end rails 22a and 22b. The rails are secured to the posts 26 by fasteners 2j and 2r. A central vertical rod 2k passes through the center of the assembly, supported by a bracket 2m at one end and a spring 24 with a stop 2s at the other. The entire structure is designed to hold a component 2t in place.

FIG.4

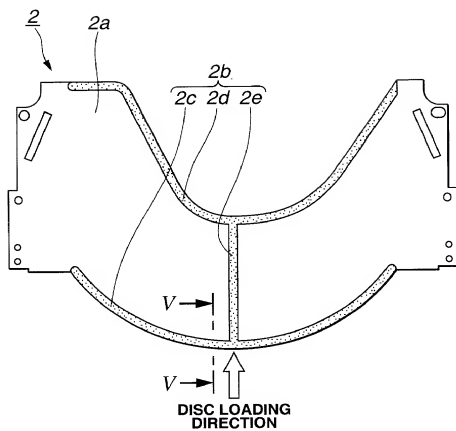


FIG.5

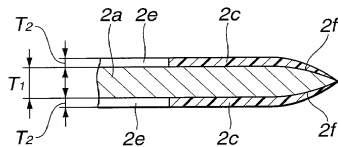
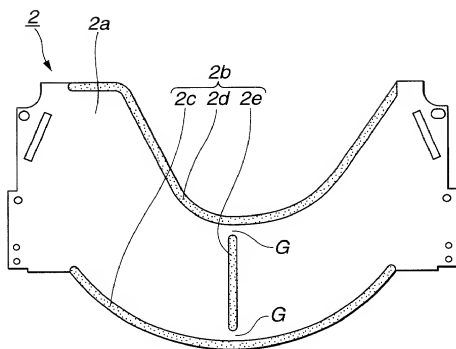
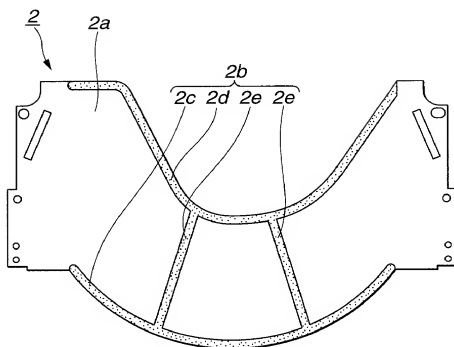


FIG.6



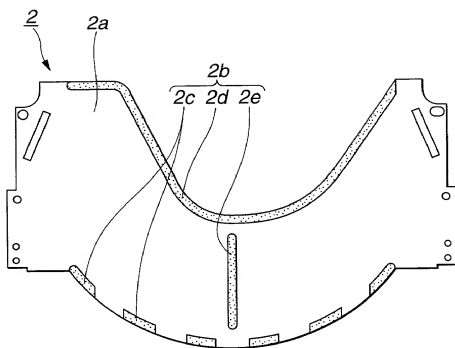
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FIG.7



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FIG.8



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FIG.9

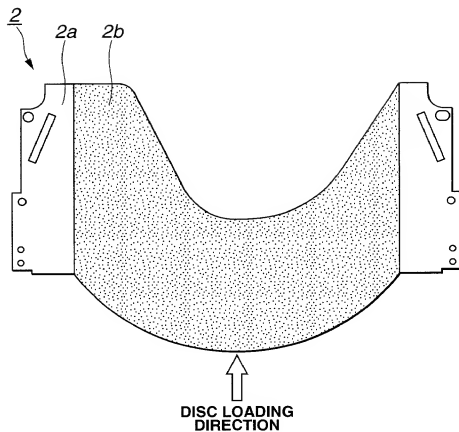
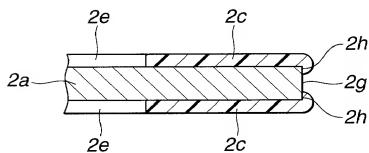


FIG.10



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FIG.11A

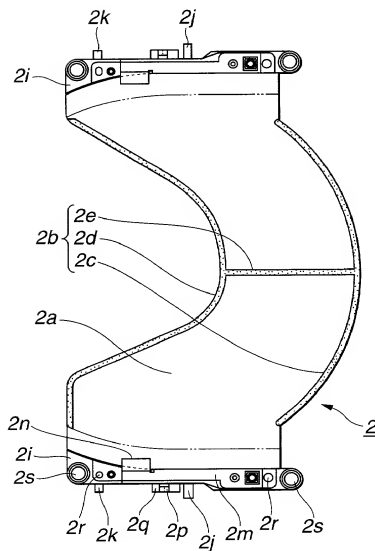
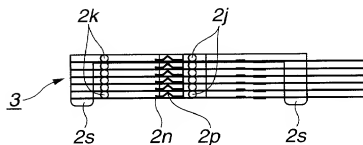
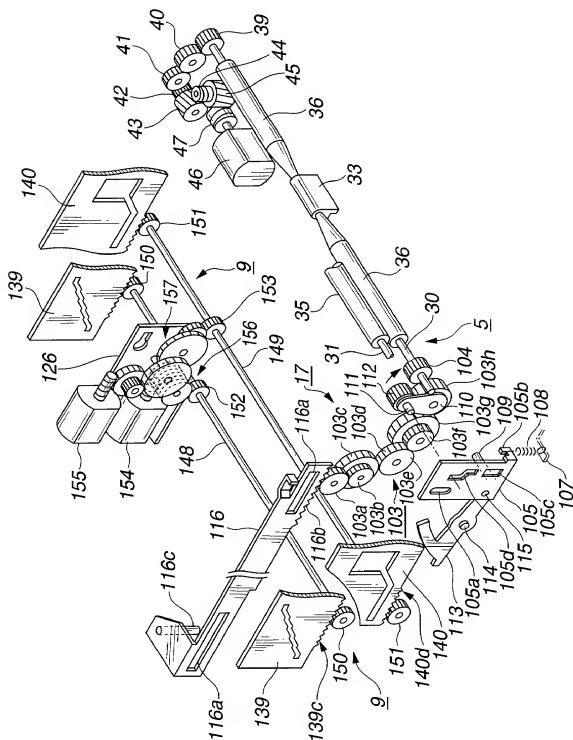


FIG.11B



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FIG.13



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FIG.14

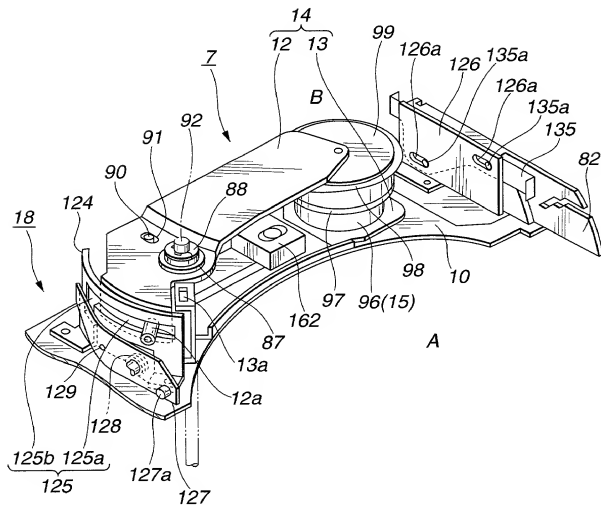
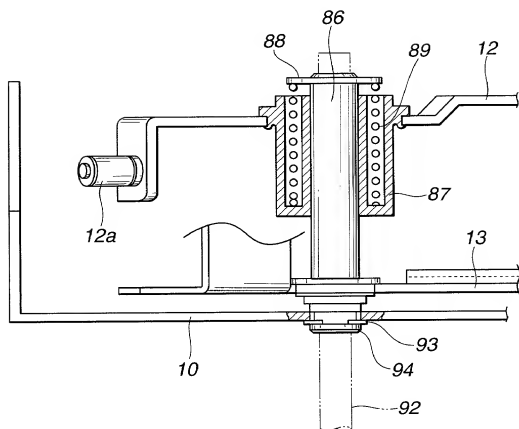
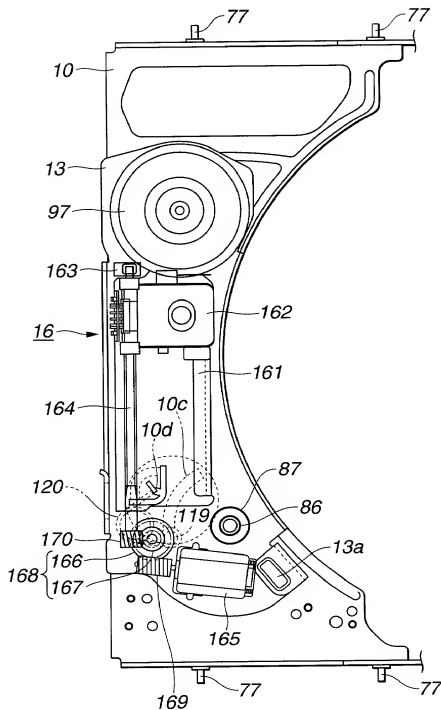


FIG.15



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FIG.16



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FIG.17A

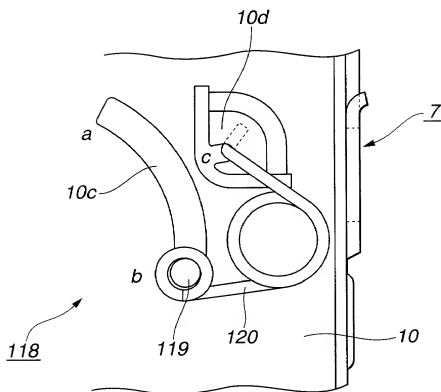


FIG.17B

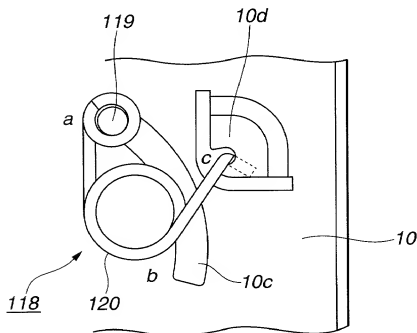


FIG.18A

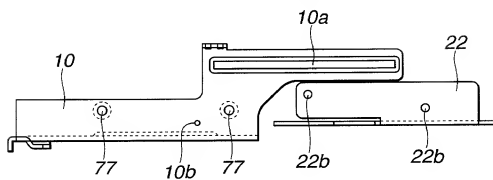


FIG.18B

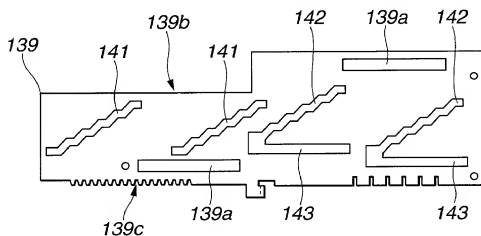
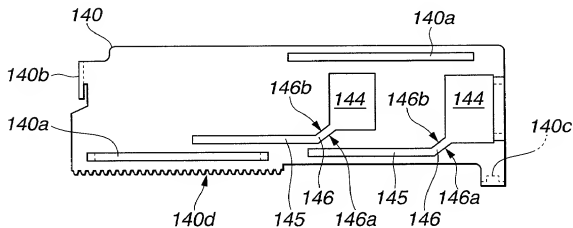
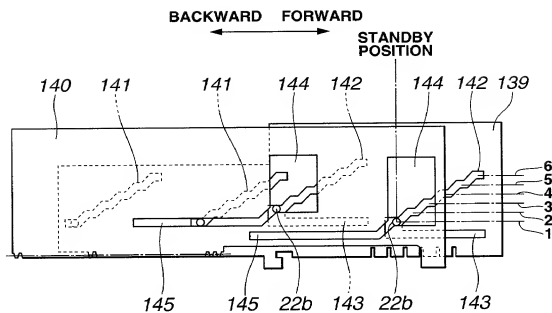


FIG.18C



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FIG.19



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FIG.20A

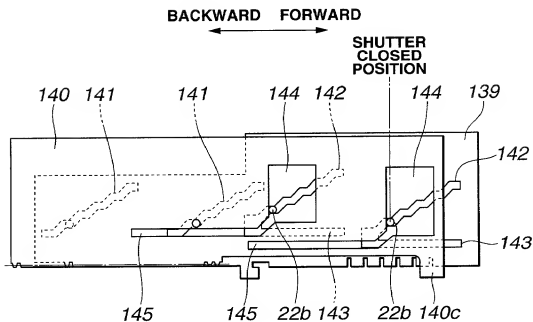


FIG.20B

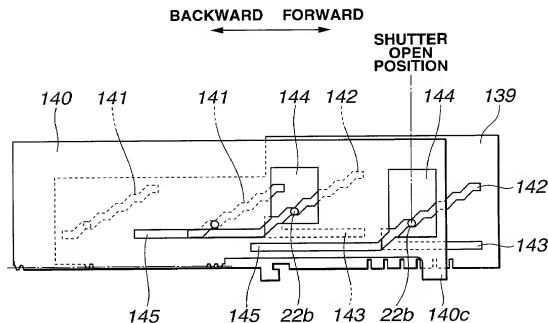
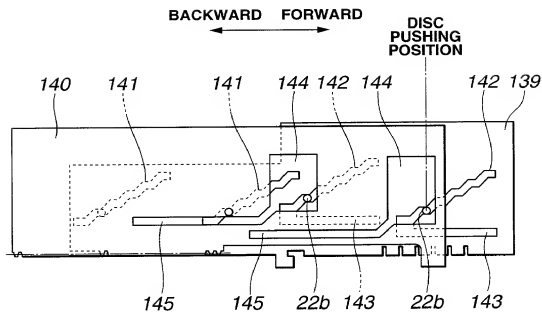


Figure 1. The structure of the proposed model. The model consists of three layers: input, hidden, and output. The input layer has 10 nodes, the hidden layer has 10 nodes, and the output layer has 10 nodes. The model is trained using a genetic algorithm (GA) to optimize the weights and biases of the network. The GA is applied to the hidden layer weights and biases, while the input and output layer weights and biases are fixed. The model is evaluated using a test set of 100 samples. The performance of the model is measured using the accuracy, precision, recall, and F1 score. The model achieves an accuracy of 0.95, a precision of 0.95, a recall of 0.95, and an F1 score of 0.95.



BACKWARD FORWARD

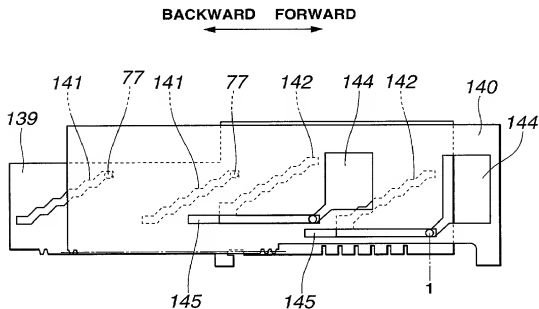


FIG.23A

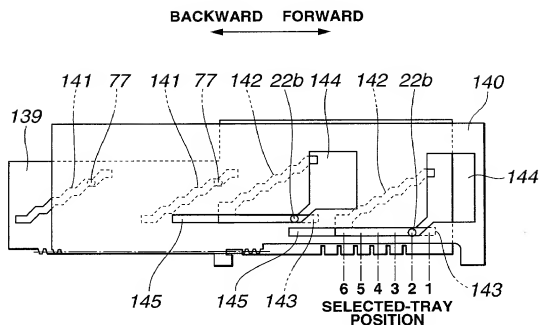
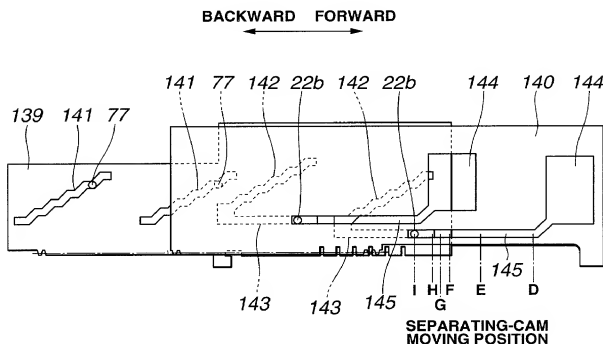


FIG.23B



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FIG.24A

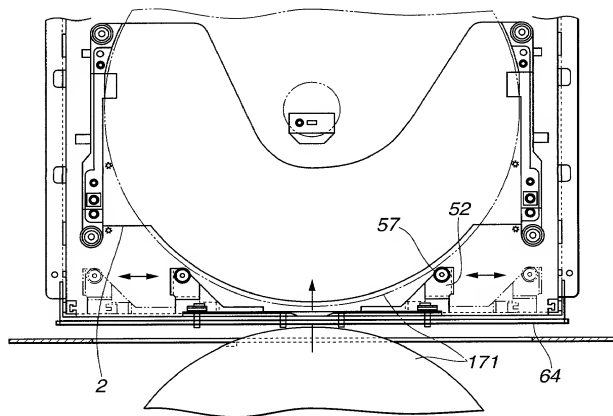
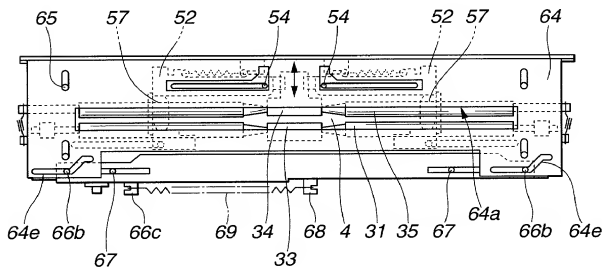


FIG.24B



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FIG.25

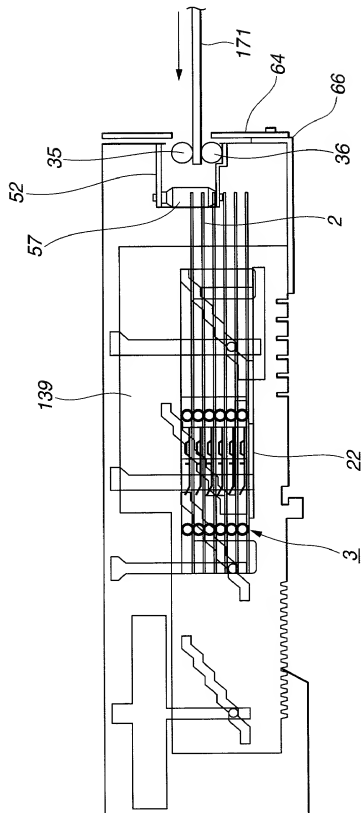


FIG.26A

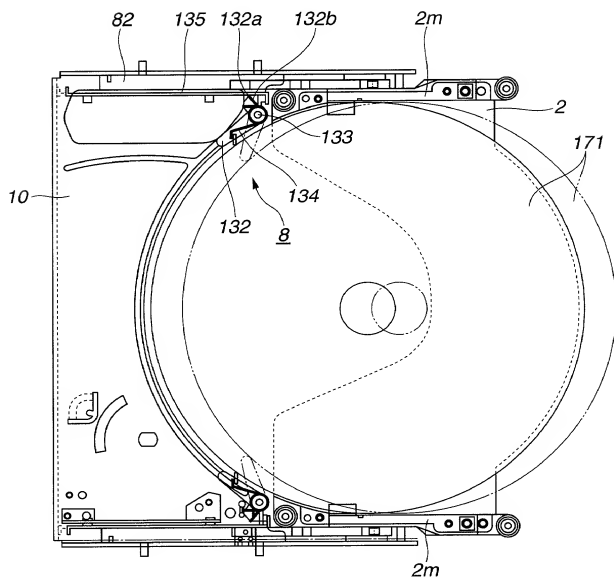
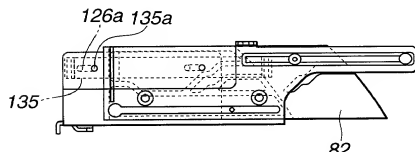


FIG.26B



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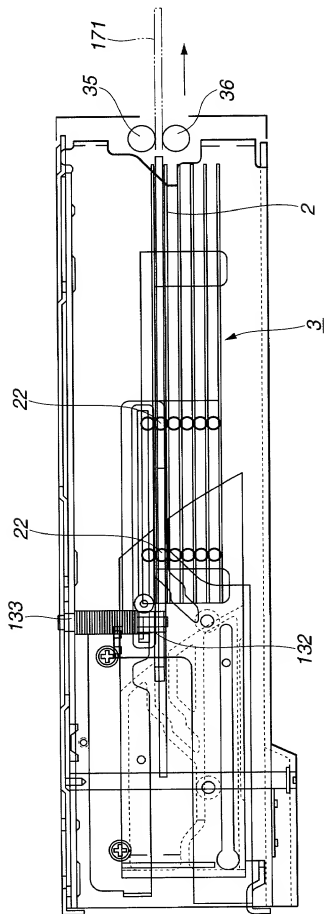


FIG.28A

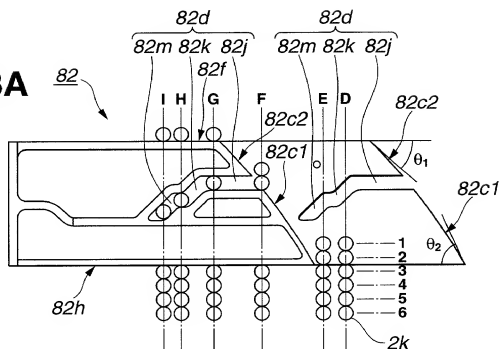


FIG.28B

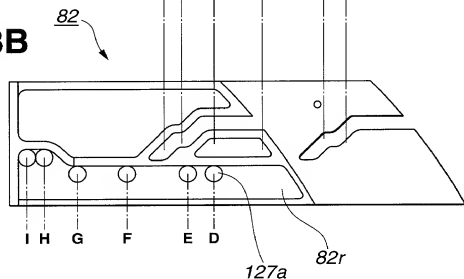
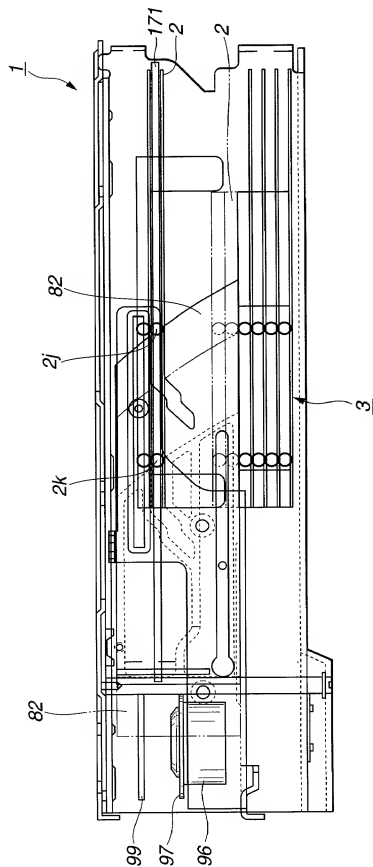
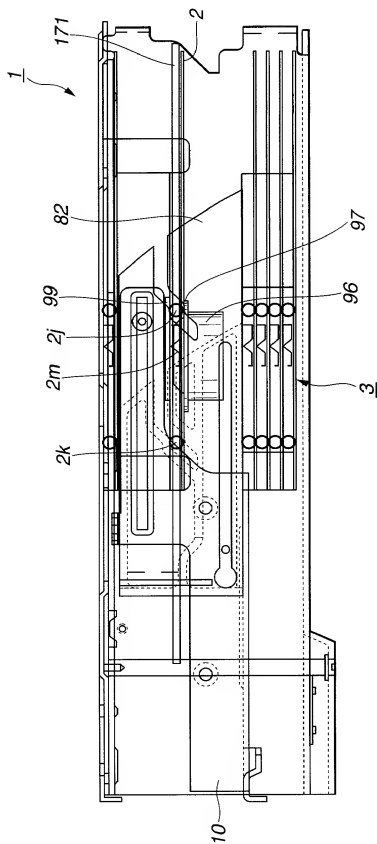


FIG.30



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FIG.32



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FIG.33

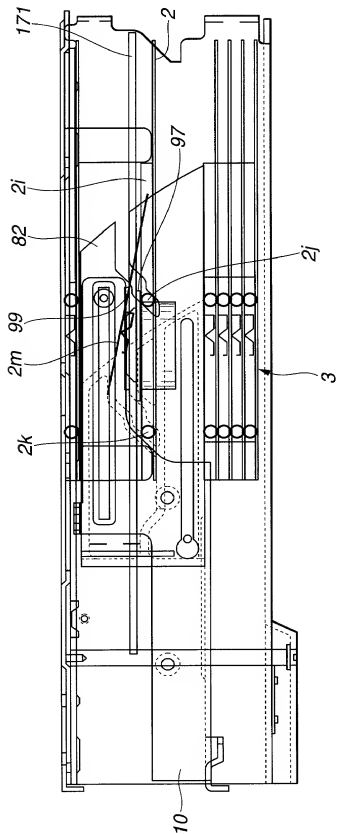


FIG. 34

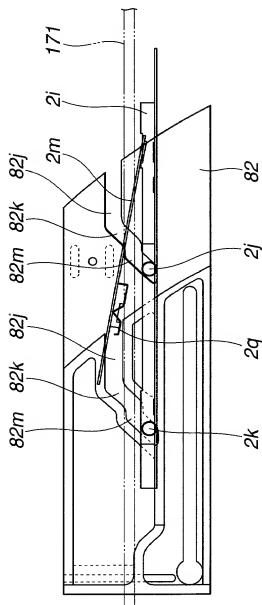


FIG.35A

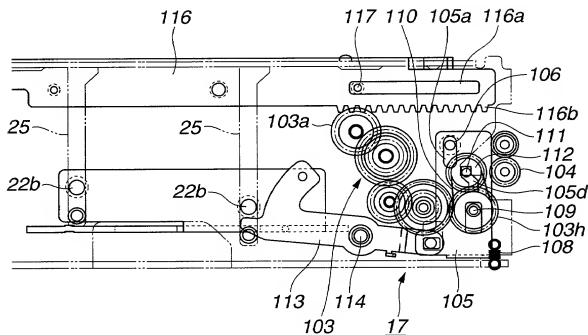


FIG.35B

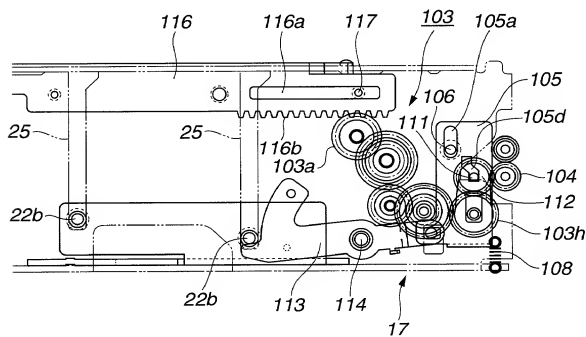


FIG.36

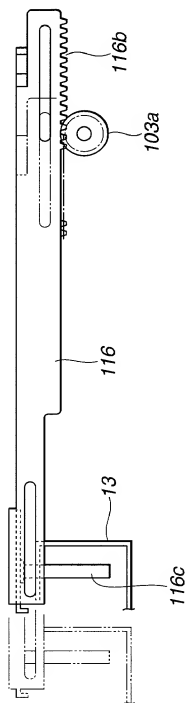
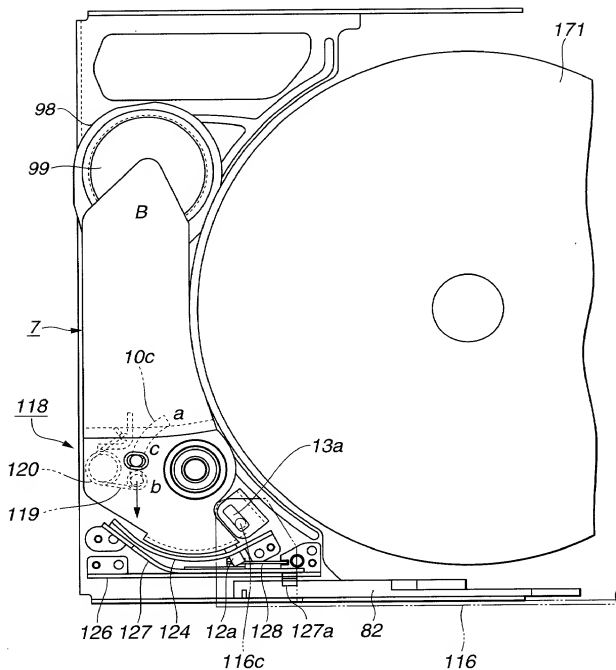
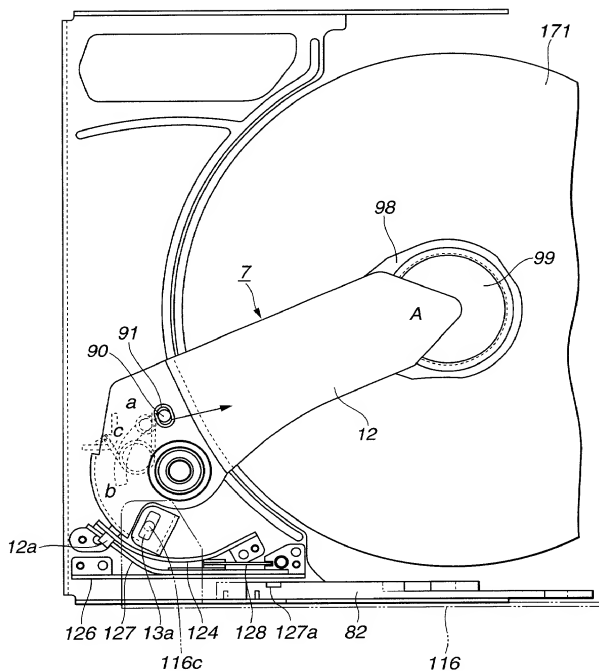


FIG.37



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FIG.38



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FIG.39A

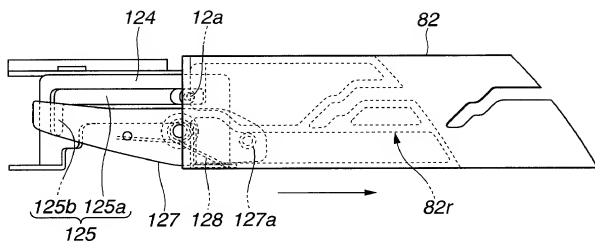
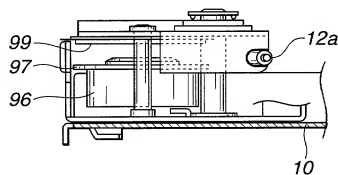


FIG.39B



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FIG.40A

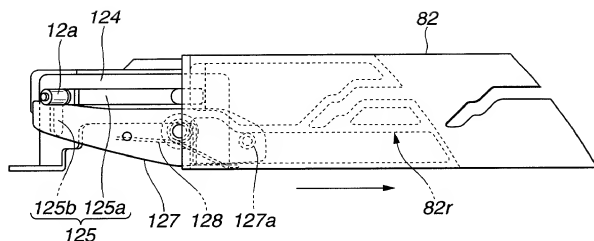


FIG.40B

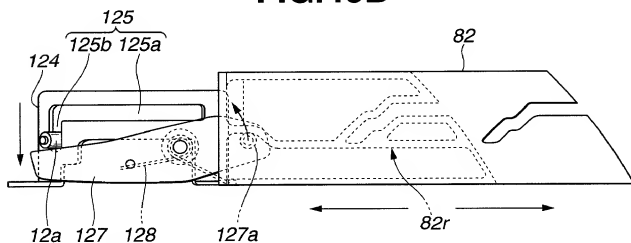
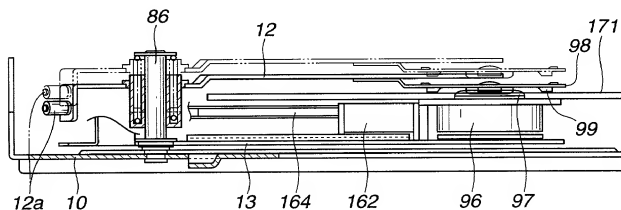
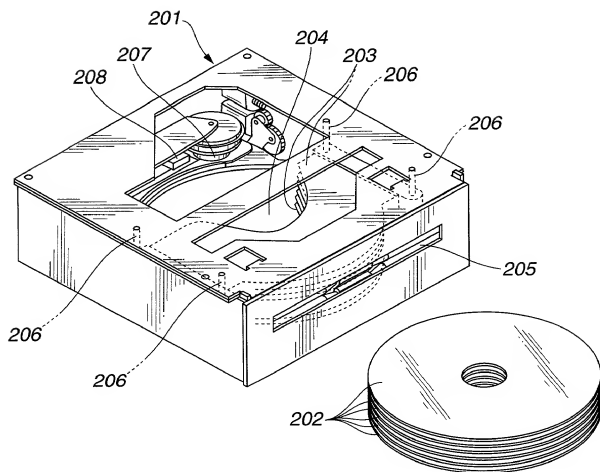


FIG.41



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FIG.42
(PRIOR ART)



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